

AIR

The combat-proven DUAL MODE BRIMSTONE (DMB) missile is in production and available now for U.S. and international customers. DMB provides a low collateral damage, close air support capability that enables the pilot to engage a wide range of target types, including fast moving vehicles and vessels both over land and at sea.

Successfully employed by the UK RAF in Afghanistan and Libya, DMB has proven to be the weapon of choice with its unique ability to perform surgical strikes in time-critical missions with a true day/night capability.

The system can be operated in two cockpit-selectable modes, each providing the pilot with unique flexibility and high confidence in mission success:

- Mode 1: Semi-Active Laser (SAL) only guidance, or
- Mode 2: SAL initially with end-game Millimeter Wave Radar (MMW) guidance for fast moving and maneuvering targets.

The weapon system is fully integrated onto UK Tornado GR4 fighter aircraft and is also suitable for deployment on a wide range of US aircraft, UAVs, land and surface platforms. Additionally, a naval variant has been successfully tested for ship-launched applications.

DMB's warhead delivers minimal collateral damage from a precision strike. The system has been proven effective against a wide range of target types including moving cars, motorcycles, trucks, tanks, armored vehicles, structures and bunkers as well as naval vessels, including fast in-shore attack craft (FIAC).

Air platforms armed with DMBs offer stand-off, speed, flexibility, precision effects and the ability to engage multiple targets with a single mission load. DMB provides a rapid response for the most challenging Close Air Support and Counter Insurgency threats.

DUAL MODE BRIMSTONE

ADVANCED MULTI-ROLE CLOSE AIR SUPPORT WEAPON



- Proven effectiveness against both static and moving/maneuvering targets
- Proven anti-FIAC capability
- Pin point accuracy and low collateral damage
- Operator-In-The-Loop capability to meet restrictive rules of engagement
- Triples the weapon load out per pylon
- Standard interface assisting integration to a large number of platforms
- Provides multi-mode precision fires, proven in combat
- In production and available today
- U.S. industrial base for most components
- Naval variant for ship-launched applications

MBDA
MISSILE SYSTEMS

AIR

Seeker

- Millimeter Wave (MMW) radar
- Semi-Active Laser (SAL)

Modes of Engagement

- Selectable single or dual mode radar and SAL guidance allows precision attack of a wide range of targets

Navigation & Guidance

- Inertial mid-course navigation and seeker determination for target acquisition
- Terminal phase handover in Dual Mode from laser to Millimeter Wave for very high accuracy / low chance of spoofing
- Compatible with all STANAG 3733 laser designators

Warhead

- Defeats all known conventional and reactive armor
- Minimal collateral damage in restrictive engagement scenarios

Propulsion

- Strip Steel Laminate Motor Case

Name

- **DMB - Dual Mode Brimstone**

Missile characteristics

- **Weight: 110lb (50kg)**
- **Length: ~71in (1.8m)**
- **Diameter: 7in (0.18m)**
- **Guidance: Millimeter Wave Radar and Semi-Active Laser**
- **Warhead: Tandem Shaped Charge HEAT**



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